

Agenda for the  
**New Infrared Science Opportunities at the ALS Workshop**

Friday October 5, 2007  
Room 6-2202, ALS, LBNL

1:00 – 1:30	Introduction / Plans for a new IR beamline at the ALS	Peter Nico Michael Martin Fernando Sannibale
1:30 – 2:00	IR imaging of biological cells and tissues at the NSLS: current applications and a wishlist for the future	Lisa Miller (NSLS)
2:00 – 2:20	<i>Envirosynch</i>	Peggy O’Day (UC Merced)
2:20 – 2:50	Synchrotron studies of live cells at the ALS	Hoi-Ying Holman (LBNL)
2:50 – 3:20	Coffee Break (ALS Patio)	All
3:20 – 3:50	Infrared spectro-microscopy of novel semiconductors at the ALS: ferromagnetic GaMnAs, organic field effect transistors and graphene	Dimitri Basov (UCSD)
3:50 – 4:20	One at a time, tracking NGF retrograde transport in Live DRG neurons	Liang Chen (Stanford)
4:20 – 4:40	Using FTIR to measure water contents and diffusion in volcanic glasses	Michael Manga (UCB)
4:40 – 5:10	Characterization of coherent THz radiation from laser-wakefield-accelerated electron beams	Jeroen van Tilborg (LBNL)
5:10– 5:30	Discussion and input from participants on the new IR beamline and its endstation components. Concluding remarks	All
5:30 –	Hawaiian BBQ reception (ALS Vendor Tent)	All